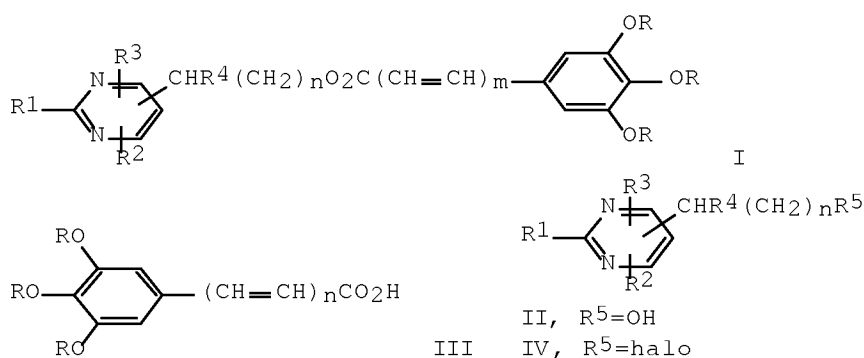


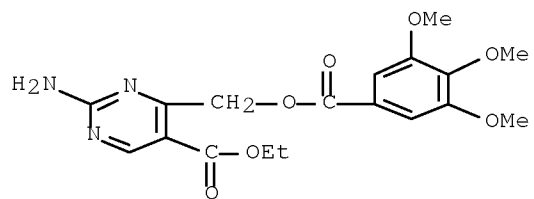
TITLE: (Acyloxyalkyl)pyrimidines and their acid salts
 INVENTOR(S): Takai, Akira; Maeda, Toyoo; Hori, Takako; Hiraiwa, Toru; Omori, Masaharu
 PATENT ASSIGNEE(S): Toyama Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 51052184	A	19760508	JP 1974-123958	19741029 <--
PRIORITY APPLN. INFO.: GI			JP 1974-123958	A 19741029 <--



AB (Acyloxyalkyl)pyrimidines I (R = alkyl; R₁ = OH, SH, NH₂, substituted NH₂, alkyl, aryl, alkyloxy, alkylthio, heterocyclyl; R₂, R₃ = H, halo, OH, NH₂, substituted NH₂, alkyl, alkyloxycarbonyl, heterocyclyl; R₄ = H, alkyl, substituted alkyl, aryl, heterocyclyl; m, n = 0, 1) and their acid salts were prepared by reaction of pyrimidines II with carboxylic acids III or their derivs. or by reaction of IV with III salts. I had coronary vasodilating activity. Thus, 1.6 g 3,4,5-trimethoxybenzoyl chloride and 1 g 2-amino-4-methyl-5-hydroxymethylpyrimidine in pyridine were stirred 20 hr at 0-5° to give 70.9% 2-amino-4-methyl-5-(3,4,5- trimethoxybenzoyloxymethyl)pyrimidine. Among 6 addnl. I prepared were 2-amino-4-hydroxy-5-[β-3,4,5-trimethoxybenzoyloxy)ethyl]-6- methylpyrimidine, 2-piperidino-4-hydroxy-5-[β-(3,4,5- trimethoxybenzoyloxy)ethyl]-6-methylpyrimidine, 2-piperidino-4-hydroxy-5- [β-(3,4,5-trimethoxybenzoyloxy)methyl]-6-methylpyrimidine, 2-(4-methylpiperazinyl)-4-hydroxy-5-[β-(3,4,5- trimethoxybenzoyloxy)ethyl]-6-methylpyrimidine, and 2-morpholino-4-hydroxy- 5-[β-(3,4,5-trimethoxybenzoyloxy)ethyl]-6-methylpyrimidine.

IT 60819-66-1F 60819-67-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 60819-66-1 ZCAPLUS
 CN 5-Pyrimidinecarboxylic acid, 2-amino-4-[[(3,4,5-trimethoxybenzoyl)oxy]methyl]-, ethyl ester (CA INDEX NAME)



RN 60819-67-2 ZCAPLUS

CN Benzoic acid, 3,4,5-trimethoxy-, [2-amino-6-(dibromomethyl)-4-pyrimidinyl]methyl ester (CA INDEX NAME)

